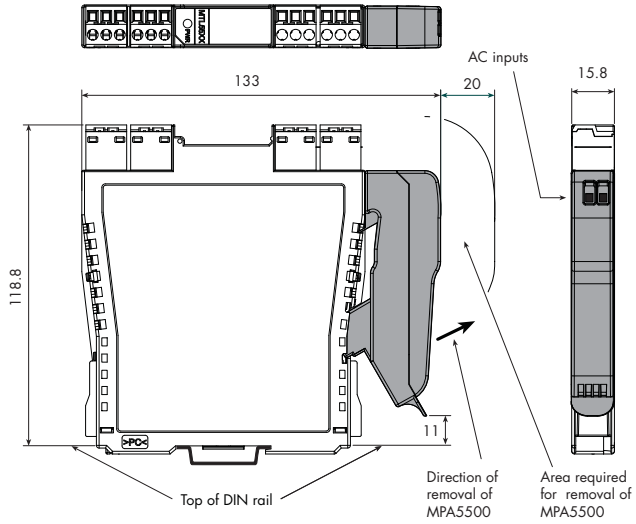
# MPA5500
## A.C. POWER ADAPTOR

The MPA5500 enables any MTL5500 Series module that is normally powered from a nominal 24V DC supply (i.e. those that are not loop-powered) to be powered from a high-voltage AC supply.

It plugs into the power socket (terminals 13 and 14) of an MTL5500 module and clips securely onto the module housing. The 25V DC power output from the adaptor is sufficient to supply a single module and can be connected to any normal AC power source.

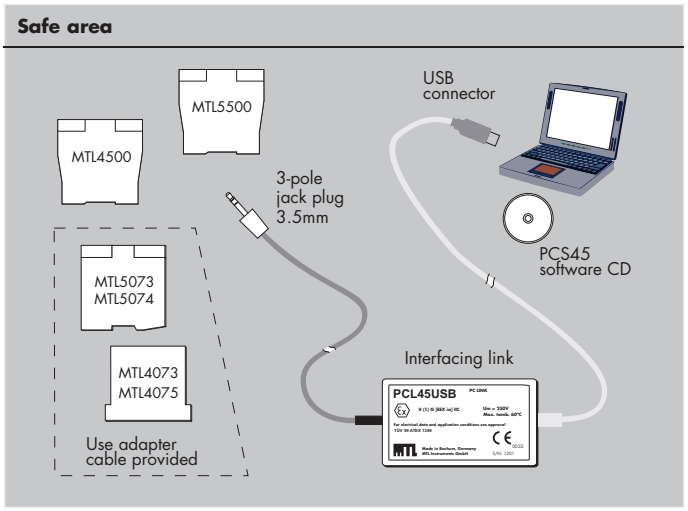



## SPECIFICATION

**Input voltage**
85 – 265V AC, (45–65Hz)
**Efficiency**
71% typ. at 230V AC
**Power dissipation**
1.2W typ at 230V AC.
**Input terminals**
Cage-clamp terminals accommodating conductors up to 1.5mm$^2$ stranded or 16AWG single-core
**Input protection**
internal fuse, not user serviceable
**Output voltage**
25Vdc ± 10%
**Output current**
120mA at 25V
**Ambient temperature**
Operating: –20 to +60°C
Storage: –40 to +80°C
**Mounting**
Plugs into and clips onto MTL5500 Series I/O module
It is not for use with any equipment other than MTL5500.
**Humidity**
5 to 95% relative humidity
**Mechanical**
Ingress Protection: IP20
Material: polycarbonate
Weight: 28g approx.
**Standards compliance**
EN 61326, EN 61010

# PCS45/PCL45USB
## CONFIGURATOR FOR MTL CONVERTERS

The PCS45/PCL45USB configurator allows MTL converters to be configured from a standard PC running a Microsoft® Windows® operating system. It comprises PC software, provided on a CD (PCS45), and an ATEX certified interfacing link (PCL45USB). Converters can be configured from the safe area, while on-line, and configurations can be saved to disk and printed out when required. It is suitable for use with MTL4000, MTL4500, MTL5000 and MTL5500 series products.




## SPECIFICATION

**PCL45USB hardware**
**Location**
Safe area
**Connections**
**PC side**: USB B(F) socket
**Converter side**: cable with 3.5mm jackplug, 3-pole for MTL4500 and MTL5500 series converters. An adapter cable is provided for other earlier MTL converters.
**Cable lengths**
Converter side (fitted): 1.5m
USB cable A(M) to B(M) (supplied): 2m
**Ambient temperature limits**
–10°C to +60°C operating
–20°C to +70°C storage
**Humidity**
5 to 95% relative humidity (non-condensing)
**Weight**
200g
**PCS45 Configuration software**
Compatible with Windows 2000 or Windows XP.
Consult MTL for operation with any other operating system, e.g. Windows Vista™.
**Software medium**
PCS45 supplied on CD
Updates are available at www.mtl-inst.com
**Recommended minimum PC configuration**
Microsoft Windows 2000 or Windows XP
20MB of available hard disc space
CD ROM drive
Available USB port
Printer (local or network)

*The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.*

EUROPE (EMEA): +44 (0)1582 723633
enquiry@mtl-inst.com
THE AMERICAS: +1 800 835 7075
csinfo@mtl-inst.com
ASIA-PACIFIC: +65 6 487 7887
sales@mtlsing.com.sg